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(54) **PACKAGED, BUNDLED SYNTHETIC BRAIDING HAIR HAVING BUNDLES OF DIFFERING LENGTHS**

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This patent is subject to a terminal disclaimer.

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A41G 5/00 (2006.01)

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(58) **Field of Classification Search**
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(56) **References Cited**

U.S. PATENT DOCUMENTS

578,623 A 3/1897 Borden
1,257,393 A 2/1918 Reifsnyder
3,557,806 A 1/1971 Blanchard
5,497,795 A 3/1996 Hibbard
5,722,434 A 3/1998 Walker
5,775,343 A 7/1998 Zam
6,035,861 A 3/2000 Copello
6,135,122 A 10/2000 Campbell et al.
6,159,598 A 12/2000 Ishimura
D440,715 S 4/2001 Sartena
D488,587 S 4/2004 Puorro
7,047,571 B1 5/2006 Kelly
D561,938 S 2/2008 Madden
D642,744 S 8/2011 Hunt-Larder
(Continued)

FOREIGN PATENT DOCUMENTS

OA 9811 4/1994

OTHER PUBLICATIONS

Lucchesi, Nicholas D. , "NonFinal Office Action", U.S. Appl. No. 17/199,873; Filed Mar. 12, 2021; Mailed Aug. 18, 2021.
(Continued)

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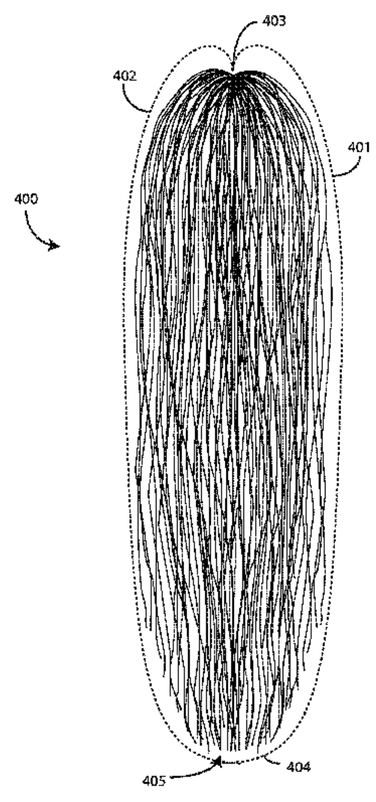
(57) **ABSTRACT**

A hair accessory includes bundled synthetic braiding hair. The bundled synthetic braiding hair can include a first bundle of synthetic hair strands having a first length, a second bundle of synthetic hair strands having a second length that is shorter than the first length. Other bundles with different lengths can be included as well. A binder can be coupled about a waist of the bundled synthetic braiding hair. When the bundled synthetic braiding hair is folded about the binder, the different strand lengths work to define a substantially cardioid shaped perimeter of the bundled synthetic braiding hair.

20 Claims, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D668,818	S	10/2012	Jones	
D675,402	S	2/2013	King	
8,439,237	B2	5/2013	Choi	
D685,135	S	6/2013	Jazwinski et al.	
8,590,543	B2	11/2013	Goff et al.	
D703,385	S	4/2014	Adams	
D704,893	S	5/2014	Dierker	
8,800,827	B2	8/2014	Choi	
9,220,329	B1	12/2015	Kim	
D766,550	S	9/2016	Coggins et al.	
10,080,396	B2	9/2018	Adjesson	
D829,997	S	10/2018	Johnson	
10,160,584	B2	12/2018	Yi	
10,231,501	B2	3/2019	Crocilla	
10,993,493	B2	5/2021	Kim et al.	
11,192,710	B2 *	12/2021	Lee	A41G 5/0046
2004/0168699	A1	9/2004	Park	
2005/0268929	A1	12/2005	Frazier	
2006/0191550	A1	8/2006	Frazier	
2008/0163882	A1	7/2008	Owens et al.	
2009/0014023	A1	1/2009	Waters	
2009/0260649	A1	10/2009	Sakurai et al.	
2009/0272396	A1	11/2009	Tochioka	
2009/0289088	A1	11/2009	Choi	
2010/0037907	A1	2/2010	Sugai et al.	
2010/0154815	A1	6/2010	Chang	
2011/0132942	A1	6/2011	Choi	
2011/0271976	A1	11/2011	Sasayama	
2012/0145174	A1	6/2012	Frazier	
2012/0298127	A1	11/2012	Yi	
2013/0098380	A1	4/2013	Kim	
2014/0191634	A1	7/2014	Smiley	
2015/0189936	A1	7/2015	Murphy	
2015/0223537	A1	8/2015	Kim	
2016/0128408	A1	5/2016	Phillips	
2016/0206030	A1	7/2016	Yi	
2016/0213083	A1	7/2016	Kim et al.	
2016/0219958	A1	8/2016	Wang et al.	
2017/0127742	A1	5/2017	Riggins	
2017/0202291	A1	7/2017	Kim et al.	
2017/0224036	A1	8/2017	Kim et al.	
2017/0251739	A1	9/2017	Kim et al.	
2018/0199687	A1	7/2018	Ham et al.	
2018/0228236	A1	8/2018	Curbeon	
2019/0075870	A1	3/2019	Han	
2019/0191803	A1	6/2019	Han	

OTHER PUBLICATIONS

Double Weft 100% Remy Human Hair Clip in Extensions 14"-22" Grade 7A Quality Full Head Thick Long Soft Silky Straight 8pcs 18 clips for Women Fashion (22".22 inch 160g, 2 dark brown); by MY_LADY; Reviewed on Amazon.com Jul. 24, 2016.

https://www.amazon.com/Brazilian-Natural-Straight-Extension-Unprocessed/dp/B00F7QQHJA/ref-sr_1_3_a_it?ie-UTF8&qid=1546833123&sr=8-3&keywords=le+hair+virgin+brazilian+natural+straight+hair+weave; Reviewed on Amazon.com Aug. 30, 2015.

https://www.amazon.com/Extension-Extensions-Double-7pieces-105gram/dp/B01LZVVPDZ/ref-sr_1_2_a_it?ie=UTF8&quid-1546832408&sr-8-2-spons&keywods=18%2Binch%2BIN%2Bextensions%2Bhuman%Bhair&th=1; Reviewed by Amazon.com Dec. 6, 2016.

Photos of "Amy Collection Yaky Braid"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Beauti Collection Platinum Yaki"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Black Tide Professional Super Bulk Hair"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Black Tide Professional Yaki Bulk Hair"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Bobbie Boss Jumbo Braid"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Epic Hot Water Braid"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "EZBraid Professional"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Karizma Remi Yaki" Weave; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Linda U7" weave; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Que Jumbo Braid Premium Soft 2"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Que Premium Soft Jumbo Braid"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "REMYTouch Interface Jumbo"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Sensationnel Premium Wow" weave; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "SuperLine Collection Silky Jumbo Braid"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "SuperLine Super Jumbo Braid"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Urban Beauty Remi"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

Photos of "Yaky Braid Femi"; 3 views; unknown availability date to public but believed to be prior to filing of present application.

"NonFinal OA", U.S. Appl. No. 14/640,936; Filed Mar. 6, 2015; Mailed Aug. 23, 2016.

"Picture—Weaving Hair—Bottom", Photo of Weaving Hair; Bottom section: Unknown availability date but believed to be prior to filing of present application.

"Picture—Weaving Hair—Full Length", Photo of Weaving Hair; Full Length section: Unknown availability date but believed to be prior to filing of present application.

"Picture—Weaving Hair—Top", Photo of Weaving Hair; Top section: Unknown availability date but believed to be prior to filing of present application.

"Publication", C Curl Remy Bob—Flyer; Eve Hair Inc.; Publication Date Unknown but believed to be prior to filing of present application.

Kalach, Brianne , "Final OA", U.S. Appl. No. 14/640,936; Filed Mar. 6, 2015; Mailed Dec. 14, 2016.

Lucchesi, Nicholas , "NonFinal Office Action", U.S. Appl. No. 15/380,324; Flled Dec. 15, 2016; Mailed Jun. 11, 2019.

Lucchesi, Nicholas , "NonFinal Office Action", U.S. Appl. No. 16/992,935; Filed Aug. 13, 2020; Mailed Dec. 18, 2020.

Lucchesi, Nicholas , "NonFinal Office Action", U.S. Appl. No. 16/992,941; Filed Aug. 13, 2020; Mailed Jan. 7, 2021.

Lucchesi, Nicholas , "Notice of Allowance", U.S. Appl. No. 15/380,324; Filed Dec. 15, 2016; mailed Apr. 8, 2020.

Raque, Samuel , "NonFinal Office Action", U.S. Appl. No. 15/853,844; Filed Dec. 24, 2017; Mailed Mar. 20, 2020.

Thomas, Shane , "PCT Search Report", PCT Application No. PCT/US18/54482; Filed Oct. 25, 2018; Mailed Dec. 14, 2018.

Tsehaye, Rebecca , "NonFinal Office Action", U.S. Appl. No. 29/587,804; Filed Dec. 15, 2016; Mailed May 22, 2019.

Tsehaye, Rebecca , "Notice of Allowance", U.S. Appl. No. 29/587,804; Filed Dec. 15, 2016; Mailed Aug. 17, 2020.

* cited by examiner

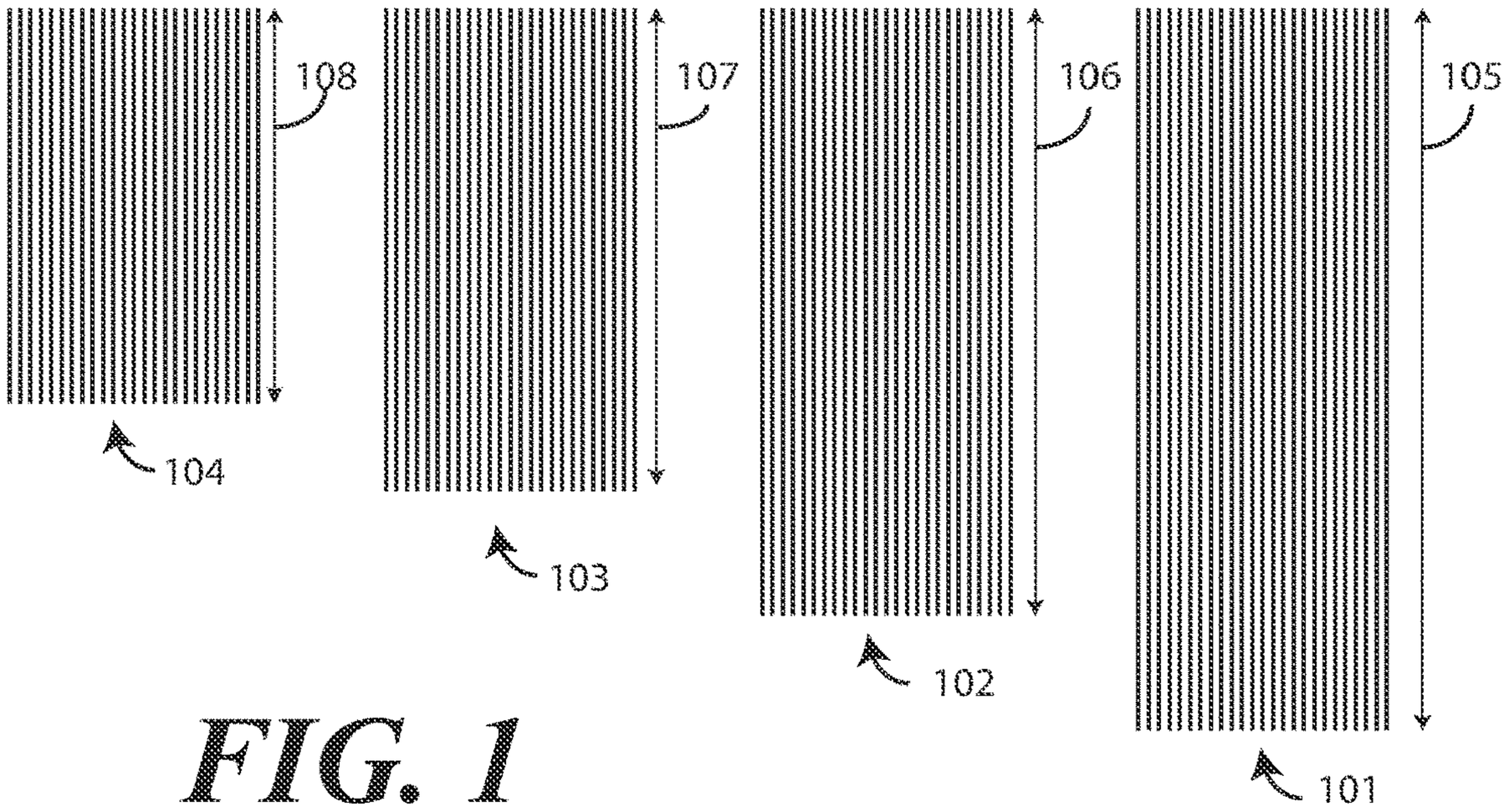


FIG. 1

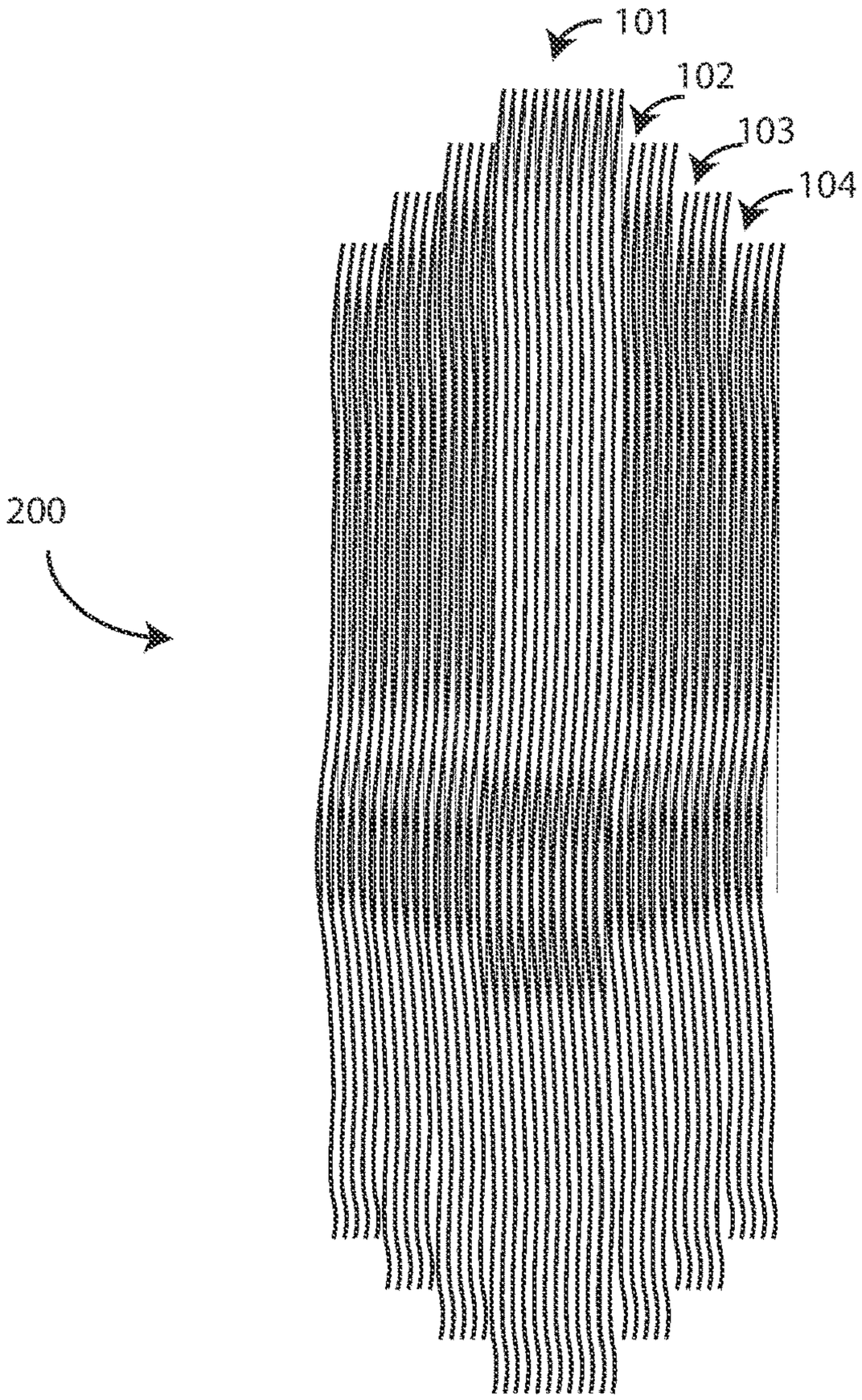


FIG. 2

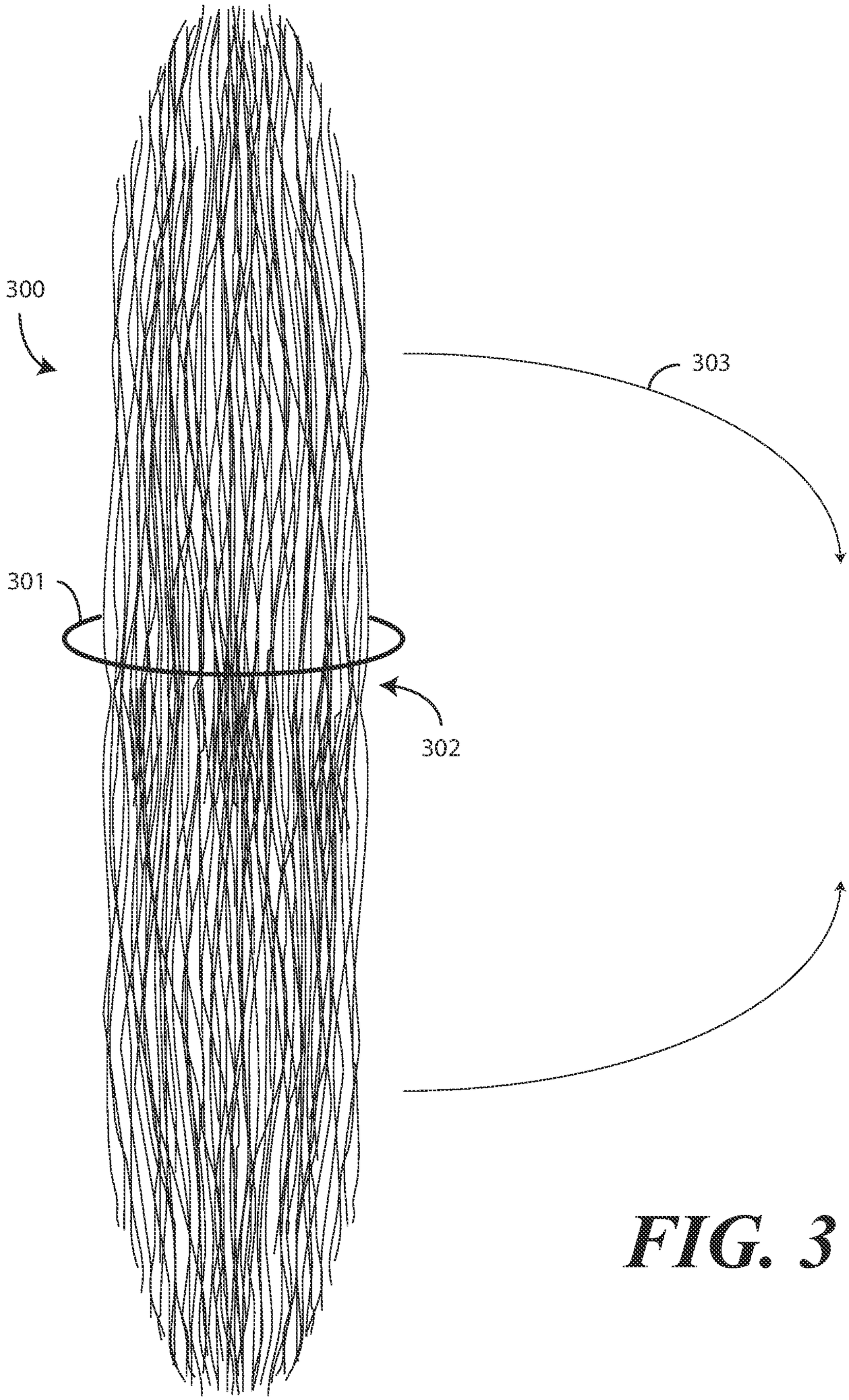


FIG. 3

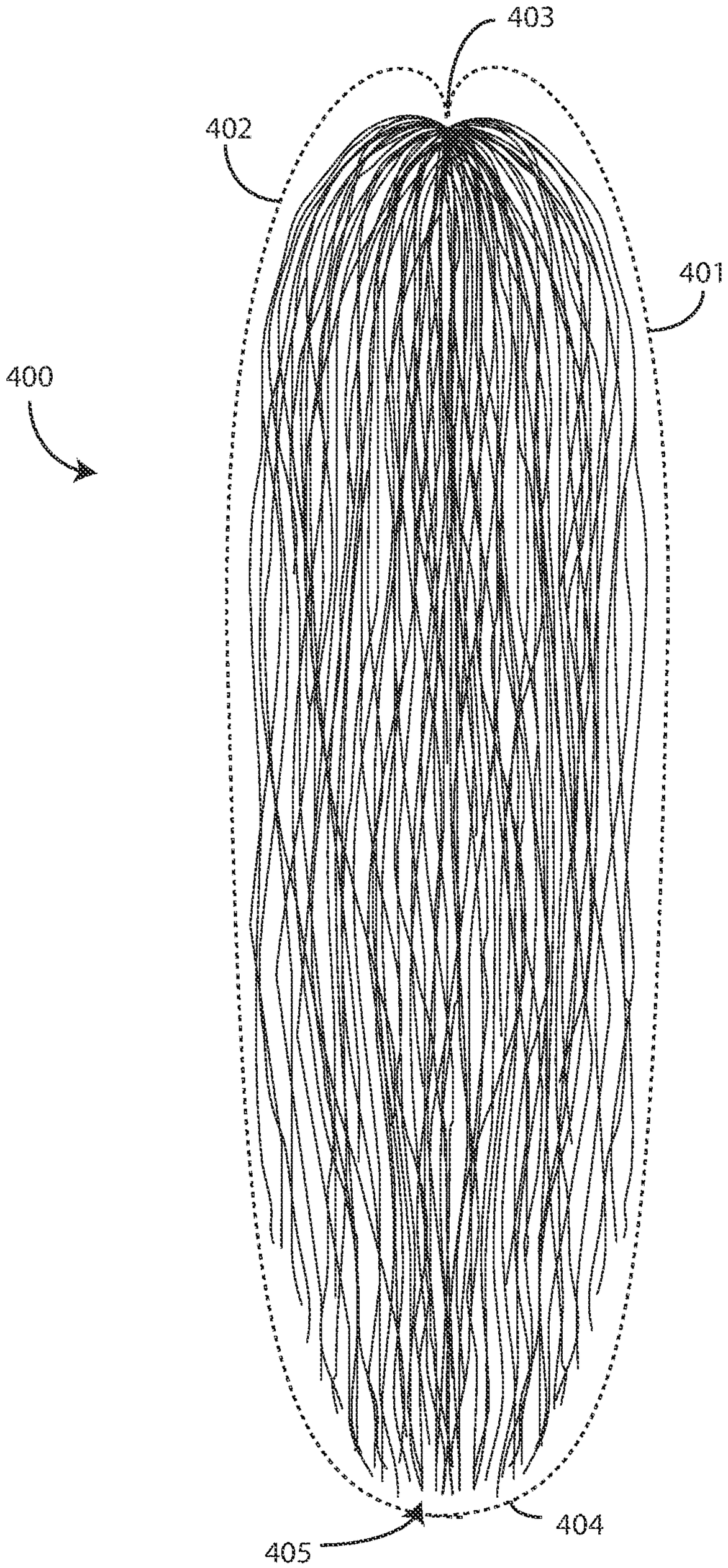


FIG. 4

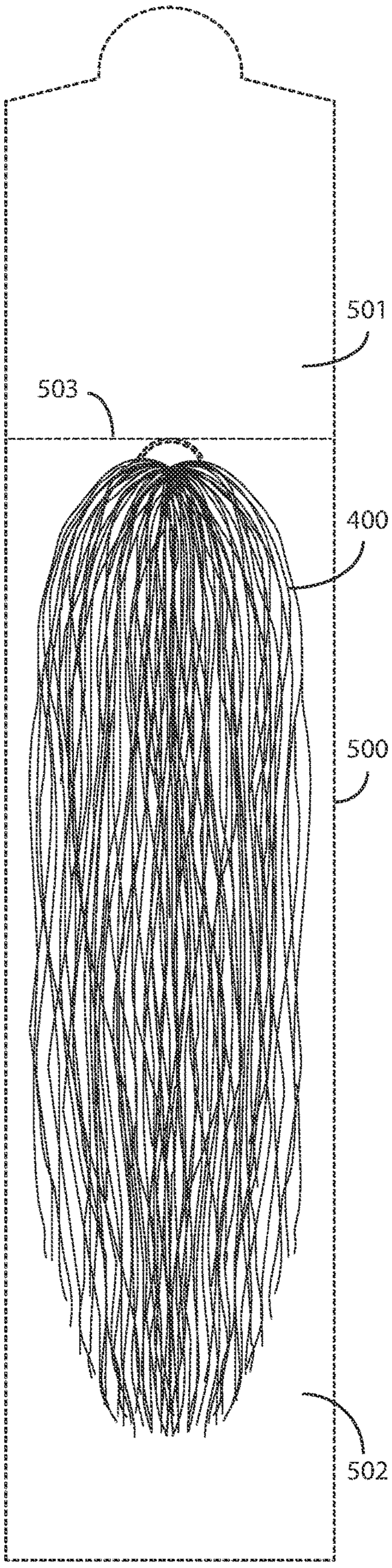


FIG. 5

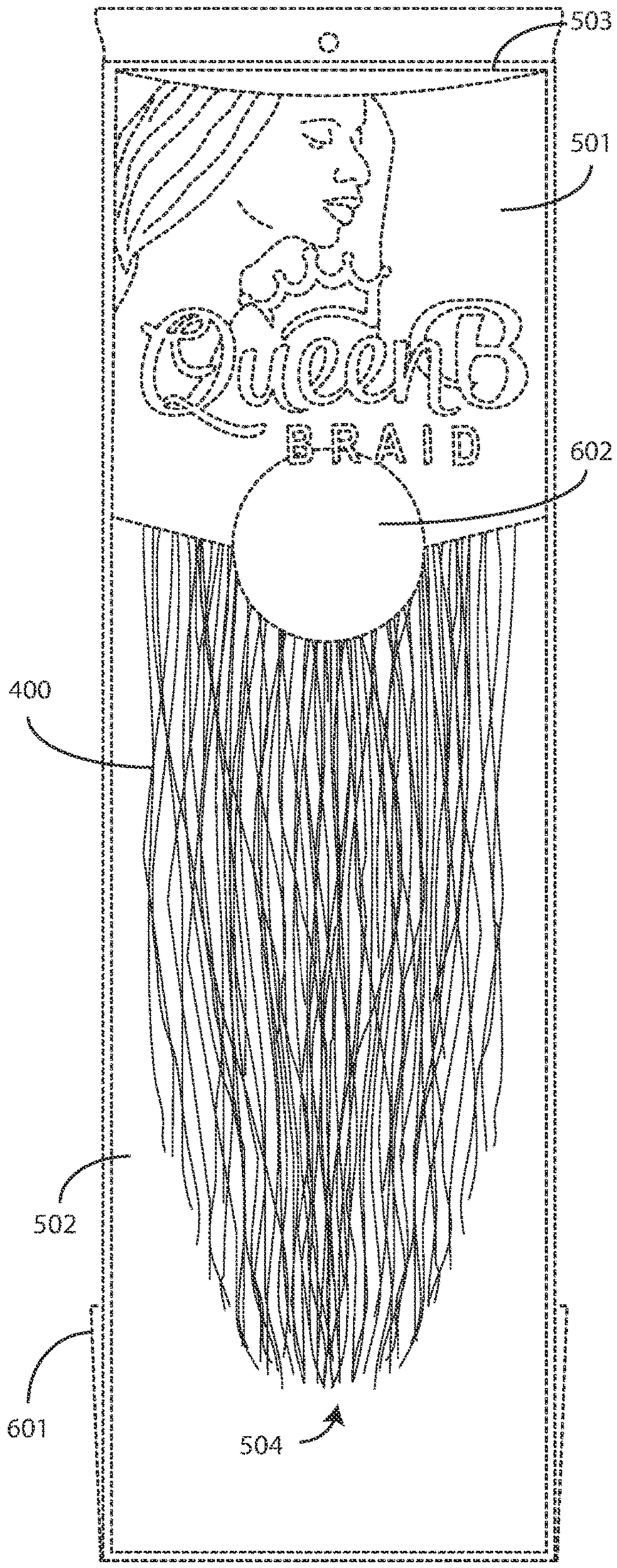


FIG. 6

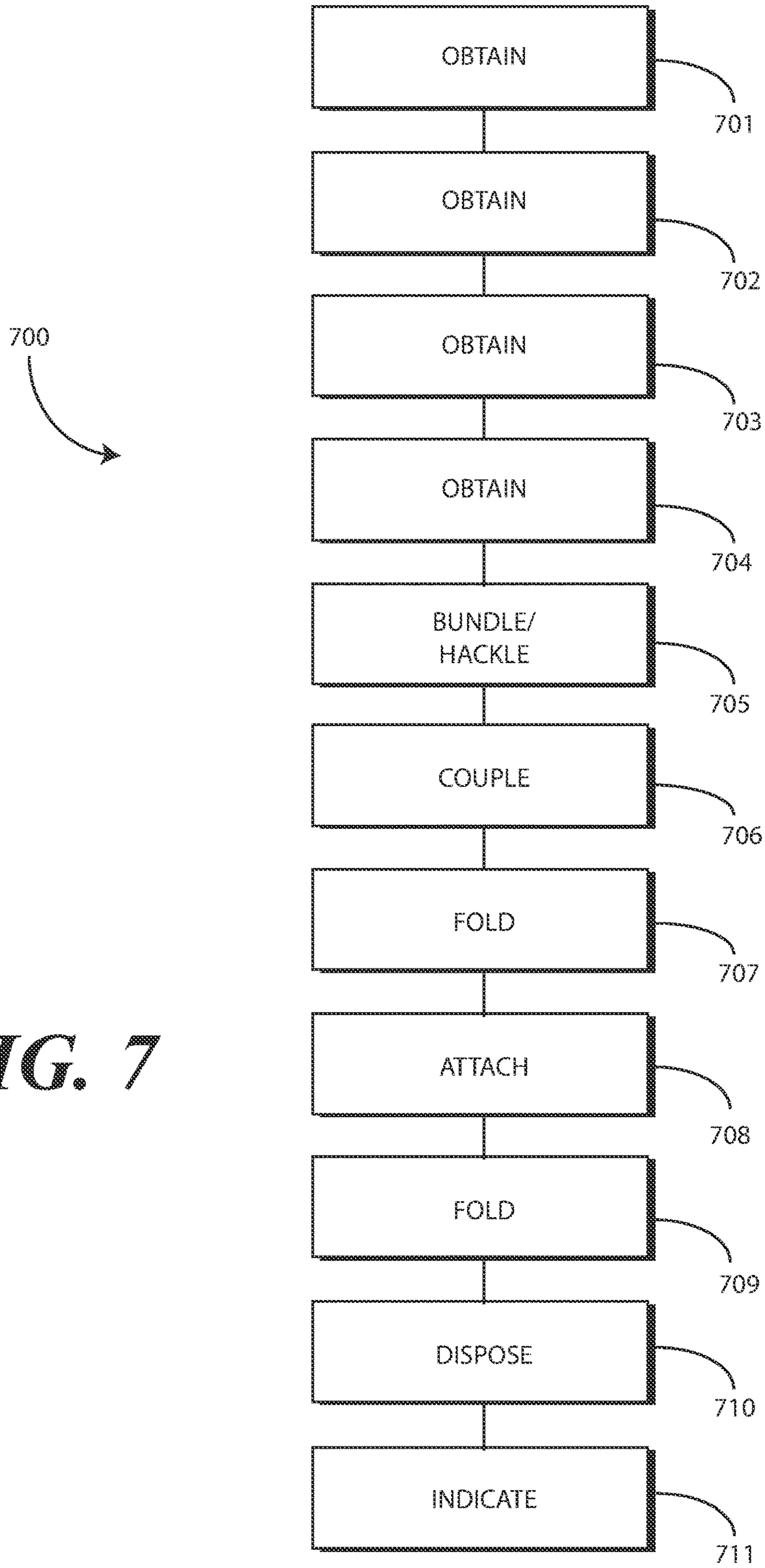

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FIG. 7

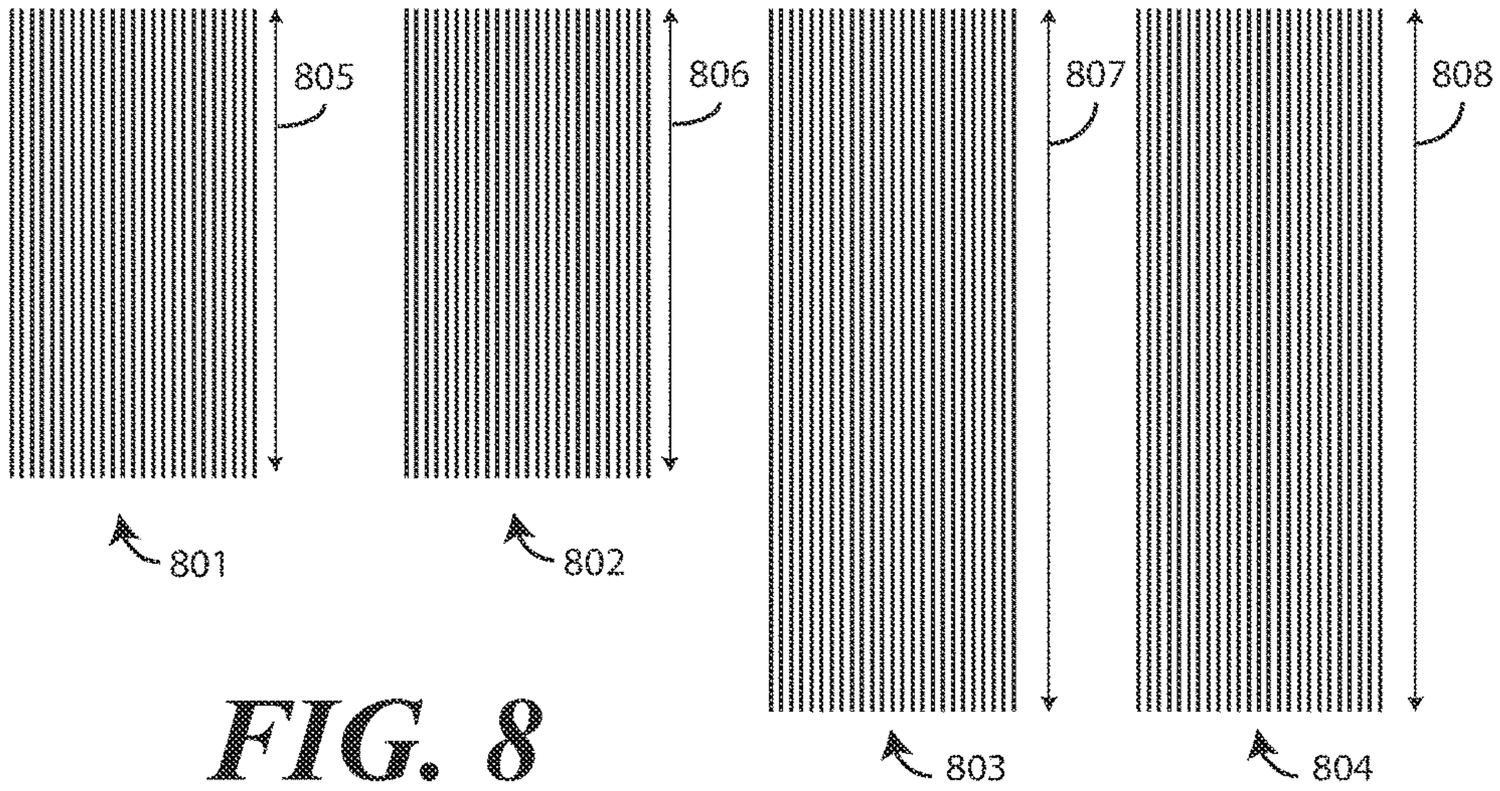
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FIG. 8

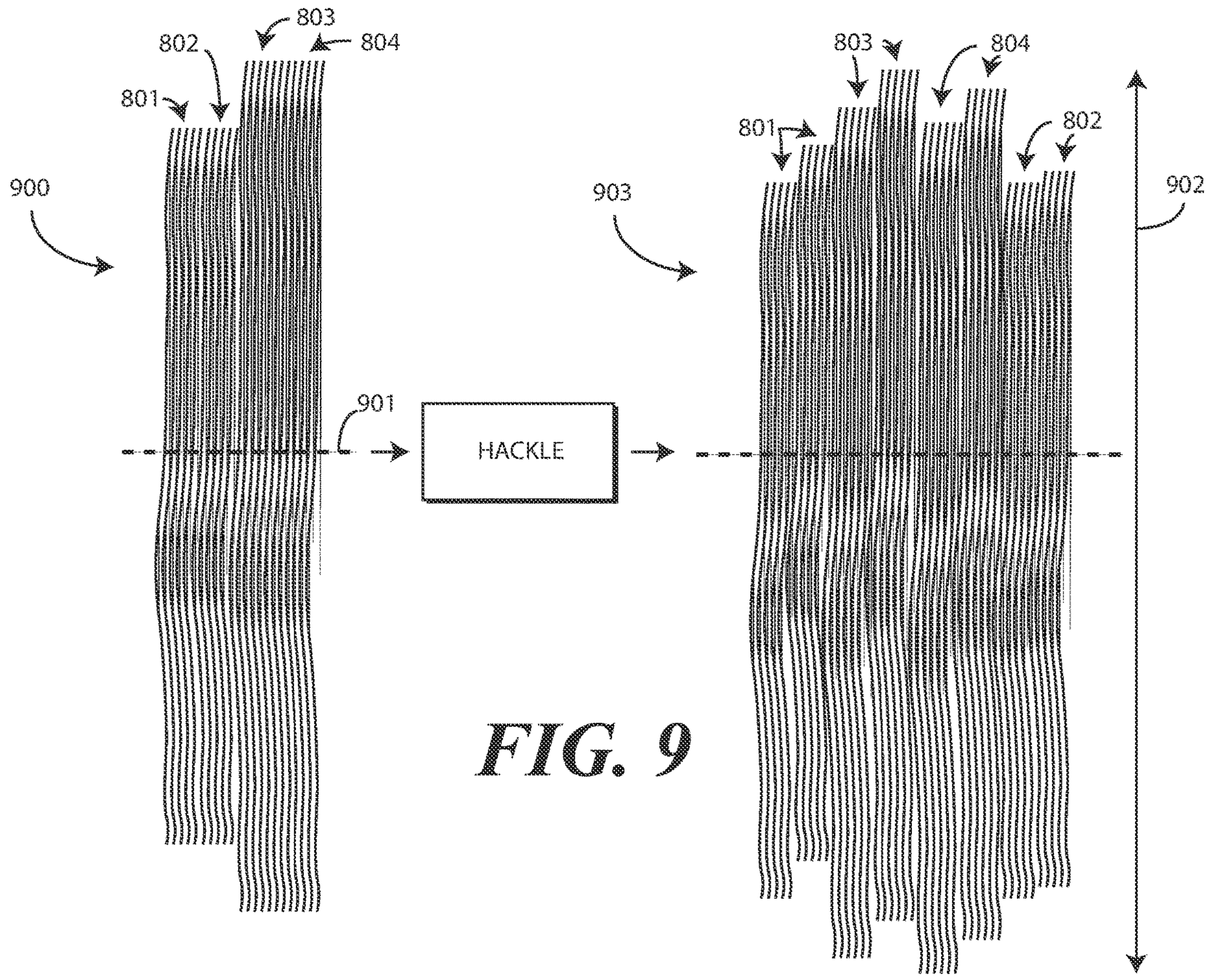
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FIG. 9

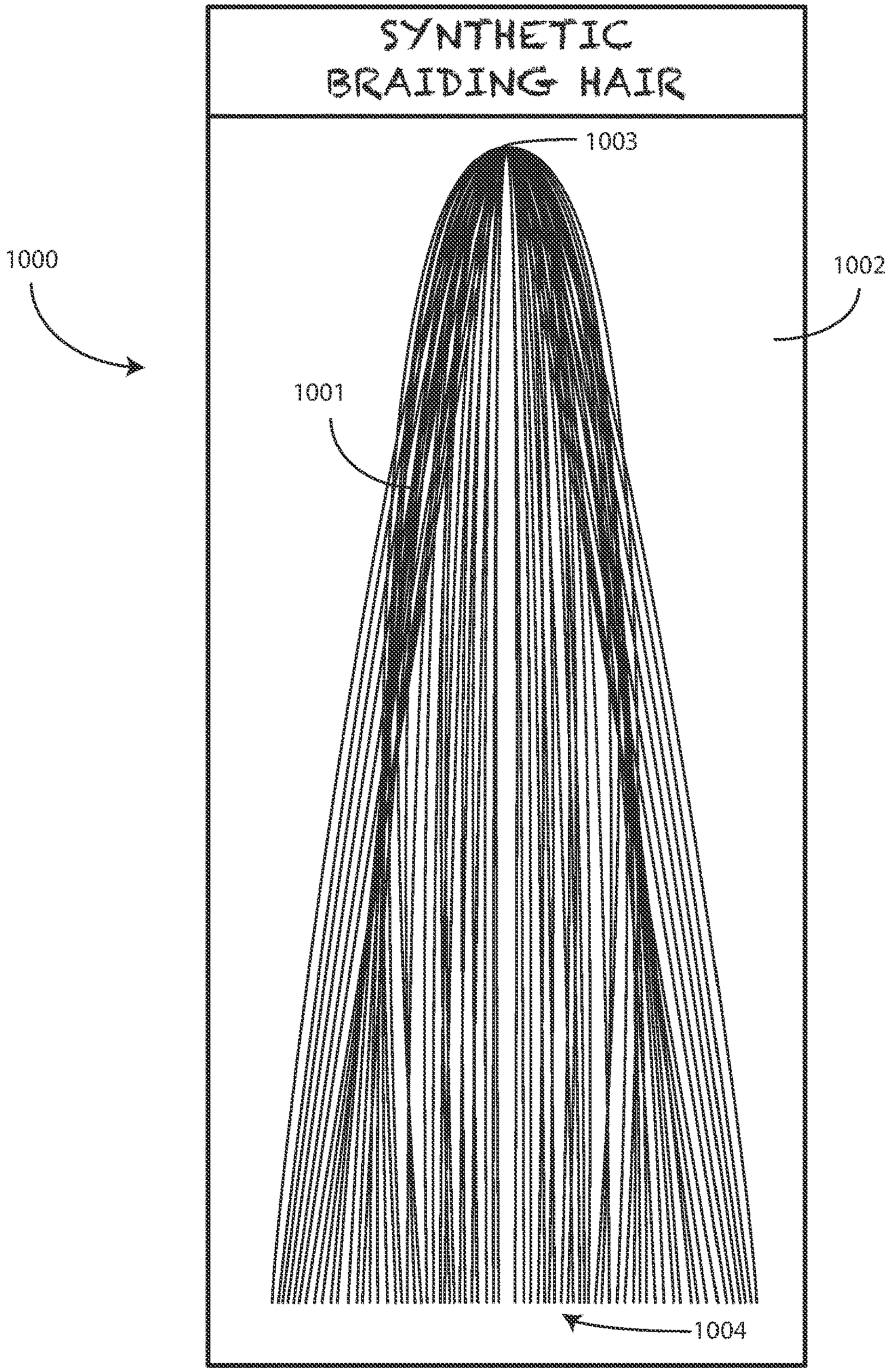

FIG. 10

-- PRIOR ART --

PACKAGED, BUNDLED SYNTHETIC BRAIDING HAIR HAVING BUNDLES OF DIFFERING LENGTHS

CROSS REFERENCE TO PRIOR APPLICATIONS

This application is a continuation application claiming priority and benefit under 35 U.S.C. § 120 from U.S. application Ser. No. 16/992,941, filed Aug. 13, 2020, which is a continuation application claiming priority and benefit under 35 U.S.C. § 120 from U.S. application Ser. No. 15/380,324, filed Dec. 15, 2016, each of which is incorporated by reference for all purposes.

BACKGROUND

Technical Field

This disclosure relates generally to hair accessories, and more particularly to synthetic braiding hair.

Background Art

Hair accessories, including weaves and extensions, are becoming increasingly popular fashion accessories. Many people enjoy augmenting their natural hair with weaves, braids, or extensions.

Hair accessories generally come in two forms. In one form, human or synthetic hair is attached to a "weft." The weft is a natural or synthetic strip to which the hair is attached. The hair extends from a common side of the weft. When applying extensions using wefts of hair, the wefts are clipped, sewn, glued, or otherwise attached between rows of a person's natural hair to create stylistic effects, fashion effects, overall length, body, and so forth.

The second form is referred to as "braiding hair." Braiding hair is loose strands of synthetic hair that are bundled together and sold in a package. Rather than clipping, sewing, or gluing a weft to the wearer's head, with braiding hair the loose strands are braided into strands of the wearer's own hair much in the same way fibers are braided together to form a rope. The addition of the loose strands creates a lengthening effect as well as adding body to the wearer's own hair.

People using braiding hair are frequently discerning customers. They desire a natural look, and seldom wish to appear as if some mechanized process has been applied to their hair. It would be advantageous to have an improved braiding hair product and corresponding packaging to more readily meet these discerning customer needs.

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying figures, where like reference numerals refer to identical or functionally similar elements throughout the separate views and which together with the detailed description below are incorporated in and form part of the specification, serve to further illustrate various embodiments and to explain various principles and advantages all in accordance with the present disclosure.

FIG. **1** illustrates braiding hair having different lengths in accordance with one or more embodiments of the disclosure.

FIG. **2** illustrates braiding hair having different lengths being bundled in accordance with one or more embodiments of the disclosure.

FIG. **3** illustrates bundled braiding hair being bound and folded in accordance with one or more embodiments of the disclosure.

FIG. **4** illustrates bound, bundled, and folded braiding hair in accordance with one or more embodiments of the disclosure.

FIG. **5** illustrates bound, bundled, and folded braiding hair attached to a package in accordance with one or more embodiments of the disclosure.

FIG. **6** illustrates packaged braiding hair in accordance with one or more embodiments of the disclosure.

FIG. **7** illustrates one explanatory method in accordance with one or more embodiments of the disclosure.

FIG. **8** illustrates braiding hair having different lengths in accordance with one or more embodiments of the disclosure.

FIG. **9** illustrates braiding hair having different lengths being bundled in accordance with one or more embodiments of the disclosure.

FIG. **10** illustrates prior art braiding hair.

Skilled artisans will appreciate that elements in the figures are illustrated for simplicity and clarity and have not necessarily been drawn to scale. For example, the dimensions of some of the elements in the figures may be exaggerated relative to other elements to help to improve understanding of embodiments of the present disclosure.

DETAILED DESCRIPTION OF THE DRAWINGS

Embodiments of the disclosure are now described in detail. Referring to the drawings, like numbers indicate like parts throughout the views. As used in the description herein and throughout the claims, the following terms take the meanings explicitly associated herein, unless the context clearly dictates otherwise: the meaning of "a," "an," and "the" includes plural reference, the meaning of "in" includes "in" and "on." Relational terms such as first and second, top and bottom, and the like may be used solely to distinguish one entity or action from another entity or action without necessarily requiring or implying any actual such relationship or order between such entities or actions. The terms "substantially" and "about" are used to refer to dimensions, orientations, or alignments inclusive of manufacturing tolerances. Thus, a "substantially orthogonal" angle with a manufacturing tolerance of plus or minus two degrees would include all angles between 88 and 92, inclusive. Also, reference designators shown herein in parenthesis indicate components shown in a figure other than the one in discussion. For example, talking about a device (**10**) while discussing figure A would refer to an element, **10**, shown in figure other than figure A.

Turning now to FIG. **10**, illustrated therein is a prior art package **1000** of braiding hair **1001**. A piece of cardboard **1002** supports the braiding hair **1001** with a twist tie **1003**. As shown in this figure, each strand of the braiding hair **1001** has exactly the same length. Accordingly, the base **1004** of the braiding hair **1001** is substantially flat. While slightly exaggerated in the drawing to clearly illustrate the substantially flat bottom with an image that will be reproducible in a published patent document, in practice the base **1004** of the braiding hair **1001**, when bundled, appears substantially flat due to the fact that each strand of the braiding hair **1001** has exactly the same length.

The reason that the base **1004** of the braiding hair **1001** is substantially flat is due to the manufacturing process. When the strands of braiding hair **1001** are manufactured, such as by spinning, extrusion, or other techniques, the fibers are all

cut to a single length. This saves time and cost during manufacture and allows groups of strands to be cut simultaneously.

The problem with each strand of the braiding hair **1001** having the same length is that this constitutes an unnatural look. Consequently, hair stylists must "tease" the strands of braiding hair **1001** in their hands to pull the ends of some strands back into their hand so that the ends of the braiding hair **1001**, i.e., the base **1004**, has a more natural look by being uneven. This is tedious and takes a tremendous amount of time. This teasing process must occur before the strands of braiding hair **1001** can be used.

Embodiments of the disclosure provide a solution that eliminates the need to manually tease braiding hair prior to use. To wit, in one or more embodiments, a plurality of bundles of braiding hair strands, each having a different length, are bundled together. For example, in one embodiment a first bundle of synthetic hair strands having a first length are bundled with a second bundle of synthetic hair strands having a second length that is shorter than the first length. Additional bundles can be added as well. For instance, a third bundle of synthetic hair strands having a third length that is shorter than the second length can be included with the first bundle and the second bundle. Similarly, a fourth bundle of synthetic hair strands having a fourth length that is shorter than the third length can be bundled with the first, second, and third bundles, and so forth.

Once the bundled synthetic braiding hair is created, in one embodiment a binder, such as an elastic band, is coupled about a waist of the bundled synthetic braiding hair. The bundled synthetic braiding hair can then be folded about the binder. When this occurs, the outer perimeter of the folded bundled synthetic braiding hair defines, in one embodiment, a substantially cardioid shaped perimeter. More specifically, the side of the substantially cardioid shaped perimeter opposite a cusp side of the substantially cardioid shaped perimeter is rounded due to the fact that each sub-bundle of the bundled synthetic braiding hair has different lengths. This serves as a mnemonic device to inform a user that no teasing is necessary because the strands in the bundled synthetic braiding hair are all of different lengths, advantageously, providing for a more natural and beautiful appearance.

Turning to FIG. **1**, illustrated therein are four bundles of synthetic braiding hair. Each bundle comprises a plurality of synthetic hair strands. As shown, there is a first bundle **101** of synthetic braiding hair strands, a second bundle **102** of synthetic braiding hair strands, a third bundle **103** of synthetic braiding hair strands, and a fourth bundle **104** of synthetic braiding hair strands. As will be described in more detail below, the four bundles of synthetic braiding hair can be bundled together to create bundled synthetic braiding hair. It should be noted that while four bundles of synthetic braiding hair are shown for ease of illustration in FIG. **1**, bundled synthetic braiding hair assemblies configured in accordance with embodiments of the disclosure can have fewer than four bundles or more than four bundles as well.

The synthetic strands in each bundle have a corresponding length. For example, the first bundle **101** of synthetic hair strands has a first length **105**, while the second bundle **102** of synthetic hair strands has a second length **106**. Similarly, the third bundle **103** of synthetic hair strands has a third length **107**, while the fourth bundle **104** of synthetic hair strands has a fourth length **108**. In one or more embodiments, each synthetic strand in each bundle has a common length, but this common length is different from the lengths of synthetic strands in other bundles. For instance, all the synthetic strands in the first bundle **101** can have substantially a common length, which is the first length **105**. However, these synthetic strands will have different lengths when compared to synthetic strands in the second bundle **102**, the third bundle **103**, the fourth bundle **104**, and so forth.

In one or more embodiments, the length of each bundle of synthetic strands is different from the others. In this illustrative embodiment, the first length **105** of the first bundle **101** of synthetic hair strands is longer than the second length **106** of the second bundle **102** of synthetic hair strands. Said differently, the second bundle **102** of synthetic hair synthetic hair strands has a second length **106** that is shorter than the first length **105**. Similarly, the third bundle **103** of synthetic hair strands has a third length **107** that is shorter than the second length **106**, while the fourth bundle **104** of synthetic hair strands has a fourth length **108** that is shorter than the third length **107**.

The first length **105**, the second length **106**, the third length **107**, and the fourth length **108** can be any of a number of lengths. In one embodiment, the first length **105** is one of sixty inches, fifty inches, forty inches, and thirty inches. Said differently, in one embodiment the first length **105** is selected from the group consisting of sixty inches, fifty inches, forty inches, and thirty inches.

In one or more embodiments, each subsequent length is then two inches shorter than the former. Thus, in one or more embodiments, the second length **106** is two inches shorter than the first length **105**. Similarly, the third length **107** is two inches shorter than the second length **106**, and the fourth length **108** is two inches shorter than the third length **107**. This difference between the first length **105**, the second length **106**, the third length **107**, and the fourth length **108** is illustrative only, as other differences that are greater than, or shorter than, two inches will be obvious to those of ordinary skill in the art having the benefit of this disclosure.

For example, in one embodiment where the first length **105** is sixty inches, the second length **106** is fifty-eight inches, the third length **107** is fifty-six inches, and the fourth length **108** is fifty-four inches. In another embodiment where the first length **105** is fifty inches, the second length **106** is forty-eight inches, the third length **107** is forty-six inches, and the fourth length **108** is forty-four inches. In another embodiment where the first length **105** is forty inches, the second length **106** is thirty-eight inches, the third length **107** is thirty-six inches, and the fourth length **108** is thirty-four inches. These dimensions are illustrative only, as others will be obvious to those of ordinary skill in the art having the benefit of this disclosure.

Turning now to FIG. **2**, the first bundle **101** of synthetic hair strands, the second bundle **102** of synthetic hair strands, the third bundle **103** of synthetic hair strands, and the fourth bundle **104** of synthetic hair strands are assembled together to form a braiding hair assembly **200**. In one or more embodiments, this braiding hair assembly **200** can be "hackled," which involves pulling the bundles of hair strands through a bed of metal or plastic spikes. The friction between the strands of hair and the spikes functions as a comb, effectively evenly distributing the various hair strands throughout the braiding hair assembly **200**. Once the braiding hair assembly **200** is bundled together, and optionally hackled, thereby distributing strands from the first bundle **101** of synthetic hair strands, the second bundle **102** of synthetic hair strands, the third bundle **103** of synthetic hair strands, and the fourth bundle **104** of synthetic hair strands

evenly across the braiding hair assembly **200**, a bundled synthetic braiding hair accessory is formed, one example of which is shown in FIG. **3**.

Turning now to FIG. **3**, illustrated therein is bundled synthetic braiding hair **300** comprising at least the first bundle (**101**) of synthetic hair strands, the second bundle (**102**) of synthetic hair strands, the third bundle (**103**) of synthetic hair strands, and the fourth bundle (**104**) of synthetic hair strands. Once the bundled synthetic braiding hair **300** is formed a binder **301** can be coupled about a waist **302** of the bundled synthetic braiding hair **300**. The binder **301** can be an elastic band, a rubber band, a zip-strip, a twist tie, or a plastic strip. Other examples of binders will be obvious to those of ordinary skill in the art having the benefit of this disclosure.

In one or more embodiments, the bundled synthetic braiding hair **300** is then folded **303** about the waist **302**. In one embodiment, the bundled synthetic braiding hair **300** is folded **303** about the waist **302** after the binder **301** is coupled about the waist **302**. In other embodiments, the bundled synthetic braiding hair **300** is folded **303** about the waist **302** prior to coupling the binder **301** about the waist **302**. The resulting folded bundled synthetic braiding hair is shown in FIG. **4**.

As shown in FIG. **4**, the folded bundled synthetic braiding hair **400** defines a substantially cardioid shaped perimeter **401**. The term "substantially" is used because while the substantially cardioid shaped perimeter **401** is not a perfect cardioid as would be the case when a circle of fixed radius is rotated about another circle with a point at the intersection of the fixed radius drawing the cardioid, it has a cardioid appearance in that it includes a cusp **403** and two cardioidal lobes. The substantially cardioid shaped perimeter **401** also resembles an inverted teardrop with a rounded end instead of a pointed one.

In this illustrative embodiment, the substantially cardioid shaped perimeter **401** has a first side **402** with a cusp **403** and a second side **404**, which is disposed opposite the first side **402** having the cusp **403**. In one or more embodiments, the second side **404** is rounded due to the fact that the synthetic strands in each of the first bundle (**101**) of synthetic hair strands, the second bundle (**102**) of synthetic hair strands, the third bundle (**103**) of synthetic hair strands, and the fourth bundle (**104**) of synthetic hair strands have different lengths. Thus, in contrast to the prior art package (**1000**) of braiding hair (**1001**), which had a base (**1004**) of the braiding hair (**1001**) that was substantially flat, in embodiments of the disclosure the base **405** of the folded bundled synthetic braiding hair **400** is rounded. This serves as a mnemonic device to inform a user that no teasing before use is required because the strands in the bundled synthetic braiding hair are all of different lengths. This advantageously saves time and effort for the technician, while providing a more natural and beautiful appearance for the end user.

Turning now to FIG. **5**, illustrated therein is the folded bundled synthetic braiding hair **400** with a backer panel **500**. The backer panel **500** can be manufactured from cardboard, plastic, paper, or other materials. The backer panel **500** can be opaque, translucent, or transparent. In this illustrative embodiment, the binder **301** is coupled to the backer panel **500**.

In this illustrative embodiment, the backer panel **500** includes a first portion **501** and a second portion **502**. The first portion **501** and the second portion **502** intersect at a fold line **503** in one embodiment. The first portion **501** can fold relative to the second portion **502** about the fold line **503** so as to at least partially cover the folded bundled synthetic braiding hair **400**.

Turning now to FIG. **6**, in one embodiment the second portion **502** is longer than the folded bundled synthetic braiding hair **400**, while the first portion **501** is shorter than the folded bundled synthetic braiding hair **400**. Accordingly, when the first portion **501** is folded about the fold line **503** relative to the second portion, the second portion **502** completely spans a first side (oriented into the page) of the folded bundled synthetic braiding hair **400**, while the first portion **501** only partially spans a second side (oriented out of the page) of the folded bundled synthetic braiding hair **400**. When this occurs, a rounded side **504** of the substantially cardioid shaped perimeter (**401**) of the folded bundled synthetic braiding hair **400** is visible. Said differently, as shown in FIG. **6**, a rounded side **504** of the substantially cardioid shaped perimeter (**401**) disposed opposite a cusp side, e.g. the first side of the of the substantially cardioid shaped perimeter **401**, is exposed beneath the first portion **501** of the backer panel **500** partially spanning the second side of the folded bundled synthetic braiding hair **400**.

A container **601** can then be disposed about the backer panel **500** and the folded bundled synthetic braiding hair **400**. The completed assembly is now ready for sale to a consumer. Advantageously, the consumer can readily identify the fact that the folded bundled synthetic braiding hair **400** includes hair of different lengths, and thus requires no teasing prior to use, due to the exposure of the a rounded side **504** of the substantially cardioid shaped perimeter **401** of the folded bundled synthetic braiding hair **400** beneath the first portion **501** of the backer panel **500**.

In one or more embodiments, a length of the longest strand is indicated on a length medallion **602**. Accordingly, the consumer can determine the length of the longest strand, e.g., **60"**, by reading the length medallion **602** to make an informed and educated purchase.

Turning now to FIG. **7**, illustrated therein is one method **700** in accordance with one or more embodiments of the disclosure. Beginning at step **701**, the method **700** includes obtaining a first bundle of synthetic hair strands having a first length. At step **702**, the method **700** includes obtaining a second bundle of synthetic hair strands having a second length that is shorter than the first length.

At optional step **703**, the method **700** includes obtaining a third bundle of synthetic hair strands having a third length that is shorter than the second length. At optional step **704**, the method **700** includes obtaining a fourth bundle of synthetic hair strands having a fourth length that is shorter than the third length. Additional bundles beyond the fourth bundle can optionally be obtained as well.

At step **705**, the method **700** includes bundling the first bundle and the second bundle to form bundled synthetic braiding hair. In one or more embodiments, step **705** further comprises hackling the first bundle and the second bundle as noted above. Where step **703** is included, the bundling of step **705** comprises bundling the third bundle with the first bundle and the second bundle. Where step **704** is includes, the bundling of step **705** comprises bundling the fourth bundle with the first bundle and the second bundle and the third bundle. Where additional bundles are included, they can be bundled with the others at step **705** as well. Where step **703** includes bundling one or more of the third bundle and the fourth bundle, step **705** can include hackling these bundles as well.

At step **706**, the method **700** optionally comprises coupling a binder about a waist of the bundled synthetic

braiding hair. At step **707**, the method **700** includes folding the bundled synthetic braiding hair about the binder to define a substantially cardioid shaped perimeter.

At optional step **708**, the method **700** includes attaching the binder to a backer panel. At optional step **709**, the method **700** includes folding the backer panel about the binder so that a first portion of the backer panel completely spans a first side of the bundled synthetic braiding hair and a second portion of the backer panel partially spans a second side of the bundled synthetic braiding hair.

At optional step **710**, the method **700** includes disposing the backer panel in a package. In one embodiment, this disposition is such that a rounded side of the substantially cardioid shaped perimeter disposed opposite a cusp side of the substantially cardioid shaped perimeter is exposed beneath the second portion of the backer panel. At optional step **711**, the method **700** can include indicating the first length on the second portion of the backer panel.

Turning now to FIG. **8**, illustrated therein are four bundles of synthetic braiding hair. Each bundle comprises a plurality of synthetic hair strands. As shown, there is a first bundle **801** of synthetic braiding hair strands, a second bundle **802** of synthetic braiding hair strands, a third bundle **803** of synthetic braiding hair strands, and a fourth bundle **804** of synthetic braiding hair strands. While four bundles of synthetic braiding hair are shown in this illustrative embodiment, bundled synthetic braiding hair assemblies configured in accordance with embodiments of the disclosure can have fewer than four bundles or more than four bundles as well. For example, in one embodiment a bundled synthetic braiding hair assembly includes only the first bundle **801** and the third bundle **803**. In another embodiment, two bundles of each of the first bundle **801**, the second bundle **802**, the third bundle **803**, and the fourth bundle **904** can be used. Other combinations will be obvious to those of ordinary skill in the art having the benefit if this disclosure.

In this illustrative embodiment, the synthetic strands in each bundle have a corresponding length. For example, the first bundle **801** of synthetic hair strands has a first length **805**, while the second bundle **802** of synthetic hair strands has a second length **806**. Similarly, the third bundle **803** of synthetic hair strands has a third length **807**, while the fourth bundle **804** of synthetic hair strands has a fourth length **808**. In one or more embodiments, each synthetic strand in each bundle has a common length, but this common length is different from the lengths of synthetic strands in at least one other bundle. However, in this illustrative embodiment the first bundle **801** and the second bundle **802** have a common length, while the third bundle **803** and the fourth bundle **804** also have a common length that is different from the common length of the first bundle **801** and the second bundle **802**.

For instance, in this embodiment all the synthetic strands in the first bundle **801** can have substantially a common length, which is the first length **805**. Similarly, all the strands in the second bundle **802** have substantially a common length, which is the second length **806**. In this embodiment, the first length **805** and the second length **806** are substantially the same.

Similarly, all the synthetic strands in the third bundle **803** can have substantially a common length, which is the third length **807**. All the strands in the fourth bundle **804** have substantially a common length, which is the fourth length **808**. In this embodiment, the third length **807** and the fourth length **808** are substantially the same. However, in this illustrative embodiment the first length **805** and the second length **806** is different when compared to synthetic strands in the third bundle **803** and the fourth bundle **804**.

In one or more embodiments, the length of at least two bundles of synthetic strands is different from the length of at least two other bundles. In this illustrative embodiment, the first length **805** of the first bundle **801**, and the second length **806** of the second bundle **802** of synthetic hair strands are shorter than the third length **807** of the third bundle **803** of synthetic hair strands and the fourth length **808** of the fourth bundle **804**. Said differently, the common length defined by the first length **805** and the second length **806** is shorter than the common length defined by the third length **807** and the fourth length **808**.

The first length **805**, the second length **806**, the third length **807**, and the fourth length **808** can be any of a number of lengths. In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of thirty inches, the first length **805** and the second length **806** are seventeen inches. In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of thirty inches, the third length **807** and the fourth length **808** are one of twenty-five inches or twenty-six inches.

In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of forty inches, the first length **805** and the second length **806** are twenty-six inches. In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of forty inches, the third length **807** and the fourth length **808** are thirty-five inches.

In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of fifty inches, the first length **805** and the second length **806** are thirty-four inches. In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of fifty inches, the third length **807** and the fourth length **808** are forty-three inches.

In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of sixty inches, the first length **805** and the second length **806** are forty-three inches. In one embodiment, where the resulting braiding hair assembly formed by the bundles is desired to have a maximum length of forty inches, the third length **807** and the fourth length **808** are fifty-two inches.

In one or more embodiments, therefore, the common length defined by the first length **805** and the second length **806** is between eight inches and ten inches shorter than the common length defined by the third length **807** and the fourth length **808**. For example, in one embodiment the common length defined by the first length **805** and the second length **806** is nine inches shorter than the common length defined by the third length **807** and the fourth length **808**. This difference between the common length defined by the first length **805** and the second length **806** and the common length defined by the third length **807** and the fourth length **808** is illustrative only, as other differences that are greater than ten inches, or shorter than eight inches, inches will be obvious to those of ordinary skill in the art having the benefit of this disclosure.

Turning now to FIG. **9**, the first bundle **801** of synthetic hair strands, the second bundle **802** of synthetic hair strands, the third bundle **803** of synthetic hair strands, and the fourth bundle **804** of synthetic hair strands are assembled together with a common central axis **901** to form a braiding hair

assembly **900**. The braiding hair assembly **900** is then hackled, thereby distributing strands from the first bundle **801** of synthetic hair strands, the second bundle **802** of synthetic hair strands, the third bundle **803** of synthetic hair strands, and the fourth bundle **804** of synthetic hair strands evenly, in two dimensions (length and width) across the braiding hair assembly **900**. This results in a bundled synthetic braiding hair accessory **903** being formed.

In one or more embodiments, the length **902** of the bundled synthetic braiding accessory **903** is longer than any of the first length (**805**), the second length (**806**), the third length (**807**), or the fourth length (**808**). For example, in one embodiment where the first length (**805**) and the second length (**806**) are seventeen inches, and the third length (**807**) and the fourth length (**808**) are twenty-six inches, the length **902** of the bundled synthetic braiding hair accessory **903** is thirty inches after hackling. In another embodiment where the first length (**805**) and the second length (**806**) are twenty-six inches, and the third length (**807**) and the fourth length (**808**) are thirty-five inches, the length **902** of the bundled synthetic braiding hair accessory **903** is forty inches after hackling.

In another embodiment where the first length (**805**) and the second length (**806**) are thirty-four inches, and the third length (**807**) and the fourth length (**808**) are forty-three inches, the length **902** of the bundled synthetic braiding hair accessory **903** is fifty inches after hackling. In another embodiment where the first length (**805**) and the second length (**806**) are forty-three inches, and the third length (**807**) and the fourth length (**808**) are fifty-two inches, the length **902** of the bundled synthetic braiding hair accessory **903** is sixty inches after hackling. As noted, other dimensions for the bundles and resulting lengths of the bundled synthetic braiding hair accessory **903** will be obvious to those of ordinary skill in the art having the benefit of this disclosure. Additionally, the amount of hackling occurring can vary the length **902** of the bundled synthetic braiding hair accessory **903**. Once the bundled synthetic braiding hair accessory **903** is formed, it can be folded and packaged as described above with reference to FIGS. **3-6**.

In the foregoing specification, specific embodiments of the present disclosure have been described. However, one of ordinary skill in the art appreciates that various modifications and changes can be made without departing from the scope of the present disclosure as set forth in the claims below. Thus, while preferred embodiments of the disclosure have been illustrated and described, it is clear that the disclosure is not so limited. Numerous modifications, changes, variations, substitutions, and equivalents will occur to those skilled in the art without departing from the spirit and scope of the present disclosure as defined by the following claims. Accordingly, the specification and figures are to be regarded in an illustrative rather than a restrictive sense, and all such modifications are intended to be included within the scope of present disclosure. The benefits, advantages, solutions to problems, and any element(s) that may cause any benefit, advantage, or solution to occur or become more pronounced are not to be construed as a critical, required, or essential features or elements of any or all the claims.

What is claimed is:

1. A hair accessory, comprising:

bundled synthetic braiding hair, comprising:

a first bundle of synthetic hair strands having a first length; and

a second bundle of synthetic hair strands having a second length that is shorter than the first length;

wherein:

the bundled synthetic braiding hair is hackled and is arranged to define a perimeter having a first side and a second side that narrows as the second side of the bundled synthetic braiding hair extends distally from the first side;

the bundled synthetic braiding hair is folded about a waist to define the perimeter; and

the perimeter defines a substantially cardioid shaped perimeter.

2. The hair accessory of claim **1**, wherein the bundled synthetic braiding hair is hackled to distribute strands from the first bundle of synthetic hair strands and other strands from the second bundle of synthetic hair strands across the bundled synthetic braiding hair.

3. The hair accessory of claim **2**, wherein the strands from the first bundle of synthetic hair strands and the other strands from the second bundle of synthetic hair strands are distributed evenly across the bundled synthetic braiding hair.

4. The hair accessory of claim **1**, the bundled synthetic braiding hair further comprising at least one additional bundle of synthetic hair strands having at least one additional length that is shorter than the second length.

5. The hair accessory of claim **1**, the bundled synthetic braiding hair further comprising at least one other bundle of synthetic hair strands having one of the first length or the second length.

6. The hair accessory of claim **1**, wherein the perimeter has a first end collocated with the waist on the first side and a second end located distally from the first end on the second side.

7. The hair accessory of claim **1**, the substantially cardioid shaped perimeter comprising a cusp positioned between two cardioidal lobes.

8. The hair accessory of claim **1**, further comprising a binder coupled about the waist of the bundled synthetic braiding hair.

9. The hair accessory of claim **8**, further comprising a backer panel packaged with the bundled synthetic braiding hair.

10. The hair accessory of claim **9**, the backer panel folded about the bundled synthetic braiding hair with a rounded side of the perimeter exposed beneath a portion of the backer panel.

11. A hair accessory, comprising:

bundled synthetic braiding hair, comprising:

a first bundle of synthetic hair strands having a first length; and

a second bundle of synthetic hair strands having a second length that is shorter than the first length;

wherein:

the bundled synthetic braiding hair is hackled and is arranged to define a perimeter having a first side and a second side that narrows as the second side of the bundled synthetic braiding hair extends distally from the first side;

the bundled synthetic braiding hair is folded about a waist to define the perimeter; and

the perimeter has a first end collocated with the waist on the first side and a second end located distally from the first end on the second side.

12. The hair accessory of claim **11**, wherein the bundled synthetic braiding hair is hackled to distribute strands of the bundled synthetic braiding hair.

13. The hair accessory of claim **11**, wherein strands from the first bundle of synthetic hair strands and other strands

from the second bundle of synthetic hair strands are distributed across the bundled synthetic braiding hair.

14. The hair accessory of claim **11**, wherein the bundled synthetic braiding hair is hackled to vary a length of the bundled synthetic braiding hair.

15. The hair accessory of claim **11**, the bundled synthetic braiding hair further comprising at least one additional bundle of synthetic hair strands.

16. A hair accessory, comprising:

bundled synthetic braiding hair, comprising:

a first bundle of synthetic hair strands having a first length; and

a second bundle of synthetic hair strands having a second length that is shorter than the first length;

wherein:

the bundled synthetic braiding hair is hackled and is arranged to define a perimeter having a first side and a second side that narrows as the second side of the bundled synthetic braiding hair extends distally from the first side;

the bundled synthetic braiding hair is folded about a waist to define the perimeter; and

the perimeter defines a substantially cardioid shaped perimeter with a cusp between two cardioidal lobes.

17. The hair accessory of claim **16**, further comprising at least one additional bundle of synthetic hair strands.

18. The hair accessory of claim **16**, further comprising a binder retaining the first bundle of synthetic hair strands and the second bundle of synthetic hair strands together.

19. The hair accessory of claim **16**, wherein the bundled synthetic braiding hair is hackled to distribute strands of the first bundle of synthetic hair strands and the second bundle of synthetic hair strands.

20. The hair accessory of claim **16**, further comprising a container enclosing the bundled synthetic braiding hair.

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